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Naval Postgraduate School Command History 1981

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DEPARTMENT OF THE NAVY

NAVAL POSTGRADUATE SCHOOL

MONTEREY, CALIFORNIA 93940

IN REPLY REFER TO:

NC4(042)/jem
5750

14 SEP 82

From: Superintendent, Naval Postgraduate School, Monterey, CA 93940
To: Director, Naval History (OP-09B9), Washington Navy Yard,
Washington, D. C. 20374

Subj: OPNAV Report 5450-1 -- Command History

Ref: (a) OPNAVINST 5750.12C

Encl: (1) Naval Postgraduate School 1981 Command History
(2) Supporting Document

1. In compliance with reference (a), enclosures (1) and (2) are submitted.

A handwritten signature in cursive script, appearing to read "N. B. Thompson", is written above the typed name.

N. B. THOMPSON
By direction

Pink

1981 NAVAL POSTGRADUATE SCHOOL COMMAND HISTORY

I. Basic Historical Narrative

A. January

6 Superintendent's Guest Lecturer - Dr. Ralph E. Gomory, Vice President and Director of Research, International Business Machines Corporation -- Topic "Technology Development."

14 Superintendent's Guest Lecturer - Vice Admiral Lando Zech, USN, Chief of Naval Personnel -- Topic "Update: Navy Personnel Today."

14-19 Port visit by USS PLUCK (MSO-464) - Commander Richard P. Genet, commanding officer.

15 Installation of DACOM 412G Secure Facsimile Terminal completed.

16 Superintendent's Guest Lecturer - Vice Admiral Wesley L. McDonald, USN, Deputy Chief of Naval Operations (Air-Warfare) -- Topic "Naval Aviation Today."

27 First of 10 Leadership/EEO Training Classes held at NPS. Total of 219 persons attended one of the eight-hour sessions.

27 Supply Corps Annual Review of Administrative Sciences Curricula.

26 COMNAVSUPSYSCOM sponsored graduate education programs curriculum review.

February

5 Underway Ship Visit Program established with COMNAVSURFPAC.

6 Construction began on contract N62474-80-C-3621 which provides standby, uninterruptable power to the Computer Center located in Ingersoll, Building 330. Major components of the construction include installation of a 750 KVA Standby Diesel Generator and four Uninterruptable Power Supply (UPS) Units supplied under separate Navy Contracts N62271-80-F-1037 and N62271-80-F-0629 respectively. An underground network on conduit was installed providing Buildings 232, 233, 234, 235 and 339 with direct cabled access to the computer system in building 330. Initial contract award price was \$794,685.00 and the estimated completion date was 31 March.

-- Professor Carroll O. Wilde was awarded the Commander's Award for Civilian Service by the Department of the Army for serving as Visiting Professor of Mathematics, U. S. Military Academy, West Point, N. Y.

-- Professor Allen E. Fuhs is the 1981 recipient of the Ralph R. Teetor Award, an award presented for excellence in teaching engineering.

March

27 Winter graduation - 150 degrees. Guest speaker - Rear Admiral M. J. Schultz, Jr., Deputy Director of Tactical/Theater C3 Systems, Office of JCS.

28-29 Port visit by Oceanographer (NOAA) - Rear Admiral C. K. Townsend, NOAA, Director Pacific Marine Center, embarked.

-- Installation of a 3M Model 1850 Electronic Monitoring system was made in Dudley Knox Library and operation began in March 1981, reducing material loss rate by 60-70%.

11-12 Manpower/Personnel Training Analysis curriculum review.

April

16 Installation of Naval Intelligence On Line System (NICOLS) completed,

24-25 Admiral Thomas B. Hayward, Chief of Naval Operations, was guest speaker at a meeting of the Naval Institute held at NPS.

28-29 Material Management curriculum review completed.

May

12 Superintendent's Guest Lecturer - Captain Gary G. Sick, USN (Ret.), Specialist for Middle Eastern Affairs on the National Security Council -- Topic "The Development of U. S. Middle East Policy."

15-18 Port visit by USS DIXIE (AD-14) in conjunction with Armed Forces Day celebration - Captain Roger L. Coffey, commanding officer.

21 Human Resources Management curriculum review completed.

26 Superintendent's Guest Lecturer - Dr. Walter B. Laberge, Principal Deputy Under Secretary of Defense (Research and Engineering) -- Topic "Military Opportunities for Technology."

28-29 The Department of Physics and Chemistry was reviewed by a team of distinguished scholars consisting of Dr. Ted Berlincourt, Director of the Physical Sciences Division of the Office of Naval Research, Arlington, VA, Dr. Andrew Sessler, Lawrence Berkley Laboratory, Berkley, CA, Dr. Isadore Rudnick, Department of Physics, UCLA and Dr. Gerald Lieberman, Vice Provost of Stanford University.

28-1 JUN Port visit by USS CONSTANT (MSO-427) - Lieutenant Commander Clement H. Ward, commanding officer.

30 Dr. William Reese, professor of Physics was appointed to the CNO Executive Panel.

June

3 Professor K. L. Davidson received the NPS Sigma Xi's Carl E. Menneken Research Award for excellence in research.

12 Rear Admiral R. M. Ghormely conducted a review of the Communications Engineering and Telecommunications Management Curricula.

19 Spring graduation - 154 degrees. Guest speaker - The Honorable Lawrence L. Korb., Assistant Secretary of Defense (Manpower, Reserve Affairs & Logistics)

20 First Nuclear Effects course graduates reunion held on NPS campus.

July

2-6 Port visit by USS ENGLAND (CG-22) to help celebrate Sloat Day - Captain Henry H. Mauz, Jr., commanding officer.

6 Public Works Department completed remodeling main school chapel, Herrmann Hall.

12-16 Intelligence curricular review.

21 Superintendent's Guest Lecturer - Rear Admiral Frederick F. Palmer, USN, Chief of Naval Reserve -- Topic "Today's Naval Reserve."

-- Associate Professor Arthur L. Schoenstadt was awarded the Rear Admiral John Jay Schieffelin Award for Excellence in Teaching.

-- Lieutenant Commander Stephen T. Van Brocklin was awarded the Admiral William Adger Moffett Award for academic excellence in the aviation field.

-- Training in the Navy's Basic Performance Appraisal Program (BPAP) was given in four-hour sessions for supervisors and two-hour briefings for others.

August

11 Superintendent's Guest Lecturer - Dr. Hans Mark, former Secretary of the Air Force and member of the Naval Postgraduate School Board of Advisors -- Topic "Technology and Strategic Balance."

13-14 Visit by Admiral E. R. Zumwalt, Jr. (Ret.), former CNO, to participate in Mechanical Engineering Department Seminar.

15 Seabees completed assembly and installation of two prefabricated metal buildings at the NPS golf course replacing several dilapidated structures used by golf course maintenance personnel.

24-27 Port visit by USS PLUCK (MSO-464) and USS CONSTANT (MSO-427) to conduct an experimental sweep in the bay. USS PLUCK commanded by Commander Thomas Sego - USS CONSTANT commanded by Lieutenant Commander Clement H. Ward.

September

9-10 Antisubmarine Warfare curriculum review.

25 Summer graduation - 139 degrees. Guest speaker - Rear Admiral Leland S. Kollmorgen, Chief of Naval Research.

-- U. S. Army students enrolled for the first time in the Electronic Warfare curriculum.

-- Dr. Emmett F. O'Neil was awarded the honorary Doctor of Laws degree by Hartwick College, Oneonta, N. Y.

-- The first female student, Lieutenant Linda Bowlby, entered the Electronic Warfare class.

October

10 Installation of two-station physical fitness course on NPS campus completed by Seabees.

14-16 Navy Space Symposium held with a keynote address by Admiral Thomas B. Hayward, USN, Chief of Naval Operations.

20-21 Annual Electronic Warfare Program review conducted.

November

17 Dr. William A. Nierenberg, Director, Scripps Institution of Oceanography, presented a lecture "Satellite Oceanography and the U. S. Navy" to the student body.

22-24 American Physical Society's Division of Fluid Dynamics conference was held with NPS Professor Allen E. Fuhs as chairman.

18 Rear Admiral A. Gallota conducted a review of the Electronic Warfare curriculum.

December

15 Remodeling of numerous spaces in academic buildings was completed. Most notable were remodeling of Room 117A in Root Hall to form a new briefing room and the addition of 1300 square feet of classroom space in Halligan Hall.

18 Fall graduation - 173 degrees. Guest speaker - Admiral Worth Bagley, USN, (Ret.), former Commander-in-chief, U. S. Naval Forces Europe and Vice Chief of Naval Operations.

18 Initial presentation of Naval Data Automation Command's "Captain Grace Murray Hopper Computer Technology Award" by Captain Hopper at graduation. Recipients were Lieutenant Commander Scott L. Schneberger and Lieutenant Commander William C. Clair.

II. Special Topics

A. Command Organization

(1) Superintendent - Rear Admiral John J. Ekelund, USN.

(2) Mission - To conduct and direct the advanced education of commissioned officers, to provide such other technical and professional instruction as may be prescribed to meet the needs of the naval service, and in support of the foregoing, to foster and encourage a program of research in order to sustain academic excellence. In addition, to provide such other host services as required in support of host tenant agreements with DRMEC, FNOC, NEPRF, DMDC and NTCC, and to conduct the Civilian Institution program.

(3) Command Composition - The composition of the command remained unchanged in 1981.

(4) Command Location - Monterey, California 93940

B. Significant Statistical Data.

(1) Calendar Year 1981 International Student Input.

	<u>JAN 81</u>	<u>APR 81</u>	<u>JUL 81</u>	<u>OCT 81</u>	<u>TOTAL</u>
Australia 1			1		2
Brazil				3	3
Canada				2	2
Colombia				2	2
Egypt		1			1
France				1	1
Germany		3			3
Greece		8	1	10	19
Indonesia		1			1
Korea 1		5	5	22	33
Malaysia			1		1
New Zealand				1	1
Peru		1		2	3
Thailand 1		1		2	4
Turkey			1	4	5
Venezuela 1					1
TOTAL	4	20	9	49	82

(2) Calendar Year 1981 U. S. Student Input.

	<u>JAN 81</u>	<u>APR 81</u>	<u>JUL 81</u>	<u>OCT 81</u>	<u>TOTAL</u>
USN	48	82	88	212	430
USMC	6	16	6	21	49
USAR	10	7	33	42	92
USAF	2		18	16	36
USCG	2		4	9	15
NOAA	1			5	6
CIV		2	8	11	21
TOTAL	69	107	157	316	649

C. Major changes to curricula and important new equipment.

(1) NPS/TPS Cooperative Masters Degree Program -- For over ten years, the Department of Aeronautics at NPS and the Naval Test Pilot School (TPS) at Patuxent River have carried on a dialogue concerning the feasibility of a cooperative NPS/TPS Masters Degree Program. Such a program is desirable because a number of billets are dual-coded to require graduates of both schools. The NPS/TPS program received final approval at the Aeronautical Engineering Curricular Review in early 1981, and the first student was enrolled in October 1981. The objective of the program is to expand the Aero Department's offering in the flight evaluation field by taking advantage of the extensive facilities at the Naval Test Pilot School. One year is spent in residence at NPS to complete a modified Aeronautical Engineering Curriculum, followed by three months of jet refresher training in preparation for entry into the eleven-month Test Pilot Program. In addition to the academic instruction at TPS, each pilot completes approximately 50 project flights and submits over 22 reports. During the course, students fly 12-14 different types of aircraft. The final exercise at school is a simulated Navy Preliminary Evaluation (NPE) of an aircraft with which the student has no previous experience. Upon satisfactory completion of both the NPS and TPS phases of the program, students will be granted a Master of Science in Aeronautical Engineering and will be assigned dual subspecialty codes of XX71P and XX73G.

(2) Tactical Analysis -- Beginning with the March 1981 input, the Operations Analysis curriculum has been revised to put more emphasis on tactical and combat analysis. Five new or thoroughly restructured courses are being added: (1) Weapons Systems and Weapons Effects; (2) Combat Models and Gaming; (3) War Gaming Analysis, (4) Campaign Analysis; and (5) Introduction to Operations Analysis, the course content of which has been doubled. All Navy Line officer students will take the revised program. The revised curriculum will prepare them better for duty on key fleet staffs, while continuing their sound education for force planning and weapon procurement analysis ashore.

(3) Navy Space Subspecialty Created -- Recent actions of OP-094 and OP-01 have approved a subspecialty for officers supporting the Navy's programs in space. This community will be largely concerned with the role of satellite systems related to communication, navigation and surveillance missions. NPS curricula in Electrical Engineering and Avionics are closely related to existing requirements for this community. The introduction of several courses specifically related to military science and applications in space are underway in response to the educational requirements of the community.

(4) Installation of New Computer System -- The installation of the new main computer was accomplished on schedule. The old machine, an IBM 360/67 was retired on 5 December 1980 after almost 14 years of continuous service. Its replacement, the IBM 3033AP system, was installed by 22 December 1980. It was not possible to overlap operation of the systems during the installation because of the severe limitations of space and the physical facilities. On 5 January 1981, the first day of the winter quarter, the students and faculty returned to a much-improved computing environment. All users are now terminal-oriented and have access to private file space on removable tape cartridges housed in the IBM 3858 Mass Storage System. From a terminal the user has access to a wide range of modern software tools and capabilities including many programming languages,

a full-screen editor, powerful command language, interactive application packages, and system utilities. Interactive computing is supported by CMS (Conversational Monitor System) running under the operating system VM/370 (Virtual Machine). VM also supports batch processing under MVS (Multiple Virtual Systems). The master plan for upgrading the school's computing facilities included replacement of the XDS 9300 system in the Computer Laboratory with a DEC VAX 11/780. The final phase of the plan will be the connection of the VAX and IBM 3033 to the school's node on the ARPANET (Advanced Research Projects Agency Network).